(b) if so, by when the design and development of scientific instruments to be flown on Chandrayan is likely to become available;

(c) whether the mission is progressing as per schedule; and

(d) by when the launch is likely to take place?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI PRITHVIRAJ CHAVAN): (a) Yes Sir.

(b) The detailed design and development of the scientific instruments to be flown onboard Chandrayan-1 have commenced and will be completed as per schedule.

(c) Yes, Sir.

(d) The Chandrayan-1 is scheduled for launch in 2007-08.

Spply of Uranium from Russia

2028. SHRI R.K, ANAND: Will the PRIME MINISTER be pleased to state:

(a) whether it is fact that Russia has expressed its inability to supply enriched Uranium to keep the Tarapur Nuclear Power Plant going;

(b) if so, the reasons therefor; and

(c) what alternative arrangement has been initiated?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI PRITHVIRAJ CHAVAN): (a) No, Sir. No formal communication has been received from the Russian Government with regard to supply of enriched Uranium for Tarapur Atomic Power Station Units 1 and 2.

(b) Does not arise.

(c) MOX technology was developed indigenously for makiing fuel for Tarapur Atomic Power Station Units 1& 2.

Agreement with European Space Agency

2029. SHRI K. RAMA MOHANA RAO: Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that ISRO had entered into an agreement with European Space Agency for paticipation in their space-based navigation system GALLILEO:

(b) if so, details of the agreement entered into between India and the European Space Agency;

(c) whether it is also a fact that ISRO is also planning to launch its own satellites for augmenting the navigational signals received from GALLILEO; and

(d) if so, the details thereof?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI PRITHVIRAJ CHAVAN): (a) No, Sir.

(b) Does not arise.

(c) No, Sir.

(d) Does not arise.

Inputs for Satellite Navigation Programme

2030. SHRI RAMA MUNI REDDY SIRIGIREDDY: Will the PRIME MINISTER be pleased to state:

(a) the major objectives of the Satellite Navigation apart from indigenous capability in Space;

(b) whether GAGAN, taken up by ISRO, in cooperation with the AAI has been a part of the Satellite Navigation System;

(c) whether the technological inputs required for conducting the Satellite Navigation Programme are all indigenously developed or are being procured from other countries of the world; and

(d) if so, the details thereof?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI PRITHVIRAJ CHAVAN): (a) and (b) The major objective of the satellite navigation programme is to provide accurate position and velocity data using signals received from navigation satellites for users like aviation, /. road and rail transport, sea going vessels etc. The satellite based augmentation system called GAGAN taken up by ISRO in cooperation with the Airports Authority of India is a part of the overall strategy for improving the accuracy of. Global Positioning System (GPS) based satellite navigation services over the Indian region.